

OIML Member State
The Netherlands

Number R 85/2008-NL1-17.03 revision 01
Project number 1901159
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Issuing authority Person responsible: NMi Certin B.V.
C. Oosterman

Applicant and Manufacturer: Endress+Hauser GmbH + Co. KG
Hauptstrasse 1
79689 Maulburg
Germany

Identification of the certified type: An **automatic level gauge**
Type: NMR8x

Characteristics: See page 2 and further

This Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML Type Evaluation Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

R 85-1 & 2 (2008) "Automatic level gauges for measuring the level of liquid in stationary storage tanks"

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation identified above. This Certificate does not bestow any form of legal international approval.

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Issuing Authority: **NMi Certin B.V., OIML Issuing Authority NL1**
21 July 2017


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The conformity was established by the results of tests and examinations provided in the associated report(s):

- No. NMI-16200591-01 dated 19 December 2016 that includes 53 pages.

Characteristics of the measuring instrument

In Table 1 the general characteristics of the measuring instrument are presented.
The construction of the measuring instrument is recorded in the Documentation folder no. TC8910-1.

Table 1 General characteristics

| | |
|---------------------------|--|
| Measuring range | See table 2 |
| Ambient temperature range | -25 – +55 °C; condensing humidity |
| Power supply voltage | 100 - 240Vac (-15% / +10%) @ 50/60Hz |
| Software identification | Version number: 01.02.00 with checksum: 0x51D2. Version number: 01.02.01 with checksum: 0xD919. |

The complete family of measuring instruments (which are of similar construction) have the following characteristics indicated in table 2.

Table 2 General characteristics of the family of instruments

| Antenna type | Maximum measuring range |
|-------------------------|-------------------------|
| Type NMR84 size DN100 | 20 meter |
| Type NMR84 size > DN100 | 30 meter |
| Type NMR81 | 30 meter |

Certificate history:

This revision replaces the previous revision.

| Revision | Date | Description of the modification |
|----------|--------------|---|
| Initial | - | - |
| 01 | 19 July 2017 | New software version because of bug fixing. |